

04-30-01

A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Miller and Ghahghahi
 Title: Ball Assignment for Ball Grid Array Package
 Filing date: 2001.04.27
 Express mail number: EL 600 510 739 US
 Attorney docket: 01-008
 Customer number: 000408

UTILITY PATENT APPLICATION TRANSMITTAL

Box Patent Application
 Assistant Commissioner for Patents
 Washington DC 20231

Sir:

Transmitted herewith for filing is the patent application described above. Enclosed are:

- ☒ Specification (22 pages total).
☒ Drawings (10 sheets total).
☒ Declaration and power of attorney (3 pages total).
☒ Assignment with cover sheet (2 pages total).
☐ Information disclosure statement and PTO-1449 (# pages total).
☐ Copies of IDS citations (# documents total).
☐ Check in the amount of \$#.
☒ Return receipt postcard with all items specifically itemized.

| | # Filed | # Extra | Small Entity Rate | Fee | Large Entity Rate | Fee |
|---------------------------|---------|---------|----------------------|-----|----------------------|-------|
| Basic Fee | | | @ 355 | \$ | @ 710 | \$710 |
| Total Claims | 32 - 20 | = 12 | @ \$9 | \$ | @ \$18 | \$216 |
| Independent Claims | 3 - 3 | = 0 | @ \$40 | \$ | @ \$80 | \$ |
| Multiple Dependent Claims | | = 0 | +\$135 | \$ | +\$270 | \$ |
| Total | | | | \$ | | \$926 |

The Commissioner is hereby authorized to charge payment of filing fees under 37 C.F.R. § 1.16 and processing fees under 37 C.F.R. § 1.17, and credit any overpayment to the **LSI Logic Corporation deposit account number 12-2252**.

2001.04.27
 Date

[Signature]
 Rick Barnes, 39,596

NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application **not be published** under 35 U.S.C. 122(b).

2001.04.27
 Date

[Signature]
 Rick Barnes, 39,596



09844530-042701

FEE TRANSMITTAL

Patent Fees are subject to annual revision on October 1.
These are the fees effective October 1, 1997.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.
See 37 C.F.R. 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known

Application Number 09/844,530
Filing Date April-27, 2001
First Named Inventor Leah Miller
Group Art Unit 2841
Examiner Name Ishwar B. Patel
Attorney Docket No. 56248.US / 01-008

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge the indicated fees and credit any over payment to:

Deposit Account Number 12-2252

Deposit Account Number LSI LOGIC CORPORATION

☒ Charge Any Additional Fee required Under 37

☐ Charge the Issue Fee under 37 C.F.R. 1.18 at the Mailing of the Notice of

2. ☐ Payment Enclosed:

☐ Chec ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Larg eFee Code | Entit yFee (\$) | Larg eFee Code | Entit yFee (\$) | Fee Description | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 101 | 790 | 201 | 395 | Utility filing fee | |
| 106 | 330 | 206 | 165 | Design filing fee | |
| 107 | 540 | 207 | 270 | Plant filing fee | |
| 108 | 790 | 208 | 395 | Reissue filing fee | |
| 114 | 150 | 214 | 75 | Provisional Filing fee | |

SUBTOTAL (1) (\$) 0.00

2. EXTRA CLAIM FEES

| Extra Claim | | Fee from | Fee Paid |
|---------------------|--------|----------|----------|
| Total claim | -20**= | | |
| Independent tClaims | -3**= | | |
| Multiple Dependent | | | |

**or number previously paid, if greater; For Reissues, see below

| Larg eFee Code | Entit yFee (\$) | Larg eFee Code | Entit yFee (\$) | Fee Description |
|----------------|-----------------|----------------|-----------------|---|
| 103 | 22 | 203 | 11 | Claims in excess of 20 |
| 102 | 82 | 202 | 41 | Independent claims in excess of 3 |
| 104 | 270 | 204 | 135 | Multiple dependent claim, if not paid |
| 109 | 82 | 209 | 41 | **Reissue independent claims over original patent |
| 110 | 22 | 210 | 11 | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) 0.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Larg eFee Code | Entit yFee (\$) | Larg eFee Code | Entit yFee (\$) | Fee Description | Fee Paid |
|----------------|-----------------|----------------|-----------------|--|----------|
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | |
| 107 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 | 130 | 139 | 130 | Non-English specification | |
| 147 | 2,520 | 147 | 2,520 | For filing request for reexamination | |
| 112 | 920* | 112 | 920 | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 400 | 216 | 200 | Extension for reply within second month | |
| 117 | 950 | 217 | 475 | Extension for reply within third month | |
| 118 | 1510 | 218 | 755 | Extension for reply within fourth month | |
| 128 | 2,060 | 228 | 1,030 | Extension for reply within fifth month | |
| 119 | 310 | 219 | 155 | Notice of Appeal | |
| 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | |
| 121 | 270 | 221 | 135 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,320 | 241 | 660 | Petition to revive - unintentional | |
| 142 | 1,320 | 242 | 660 | Utility issue fee (or reissue) | |
| 143 | 450 | 243 | 225 | Design issue fee | |
| 144 | 670 | 244 | 335 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 | Petitions related to provisional application | |
| 126 | 240 | 126 | 240 | Submission of Information Disclosure Statement | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | |
| 146 | 790 | 246 | 395 | Filing a submission after final rejection (37 CFR 1.129) | |
| 149 | 790 | 249 | 395 | For each additional invention to be examined (37 CFR 1.129 (b)) | |

Other fee (specify) Restriction Requirement

Other fee (specify) Response

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0.00

SUBMITTED BY

Typed or printed name

John Chen

Signature

John Chen

Date

12/19/01

Complete (if applicable)

Reg. Number

39,136

Deposit Account User ID

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

05/03/2001 MWOLDER1 00000015 122252 09844530

| | |
|-----------|-----------|
| 01 FC:101 | 710.00 CH |
| 02 FC:103 | 216.00 CH |